QART AGH Face Recognition Test-Plan

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PROBLEM

How to assess human effectiveness of face recognition?

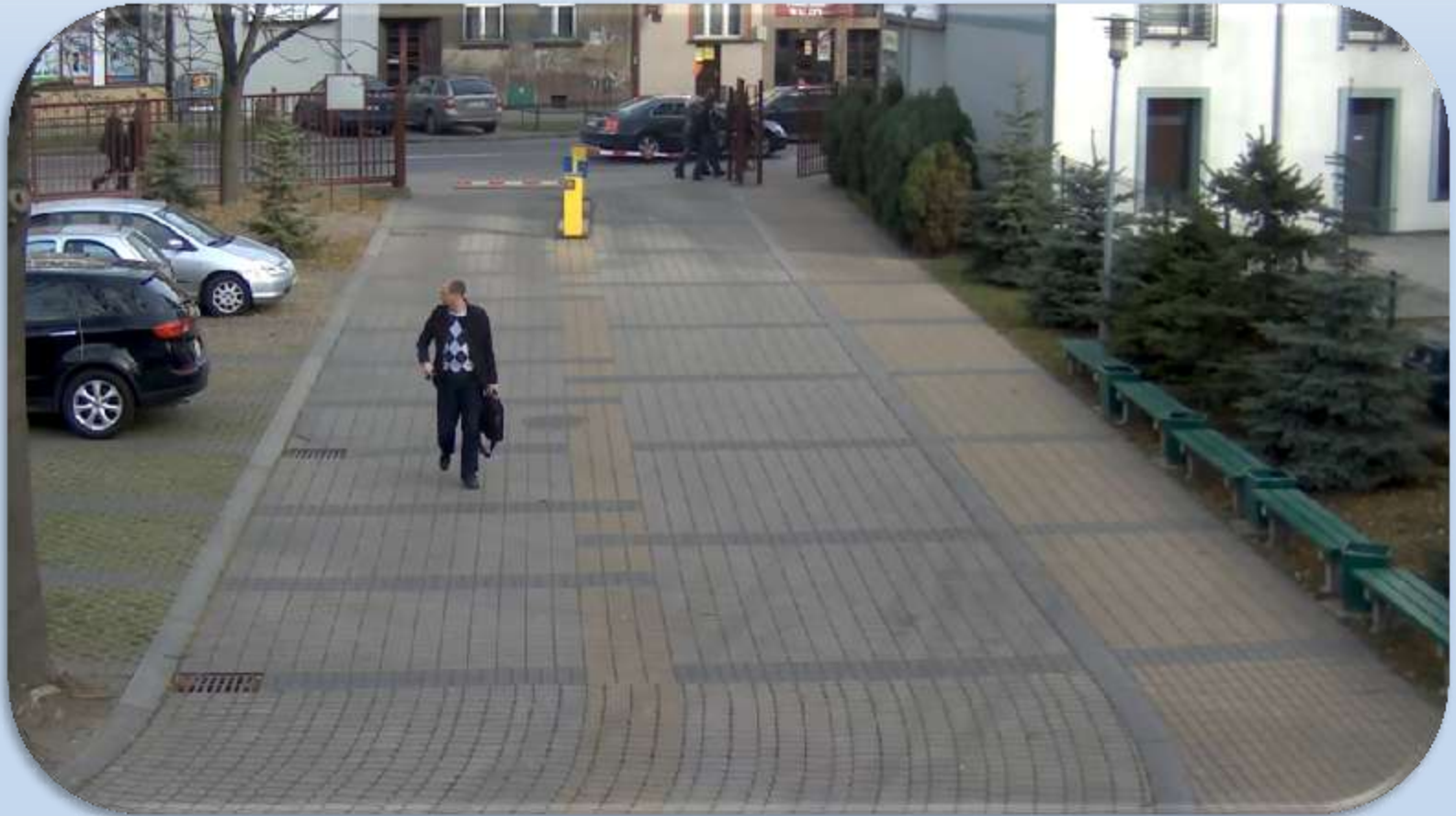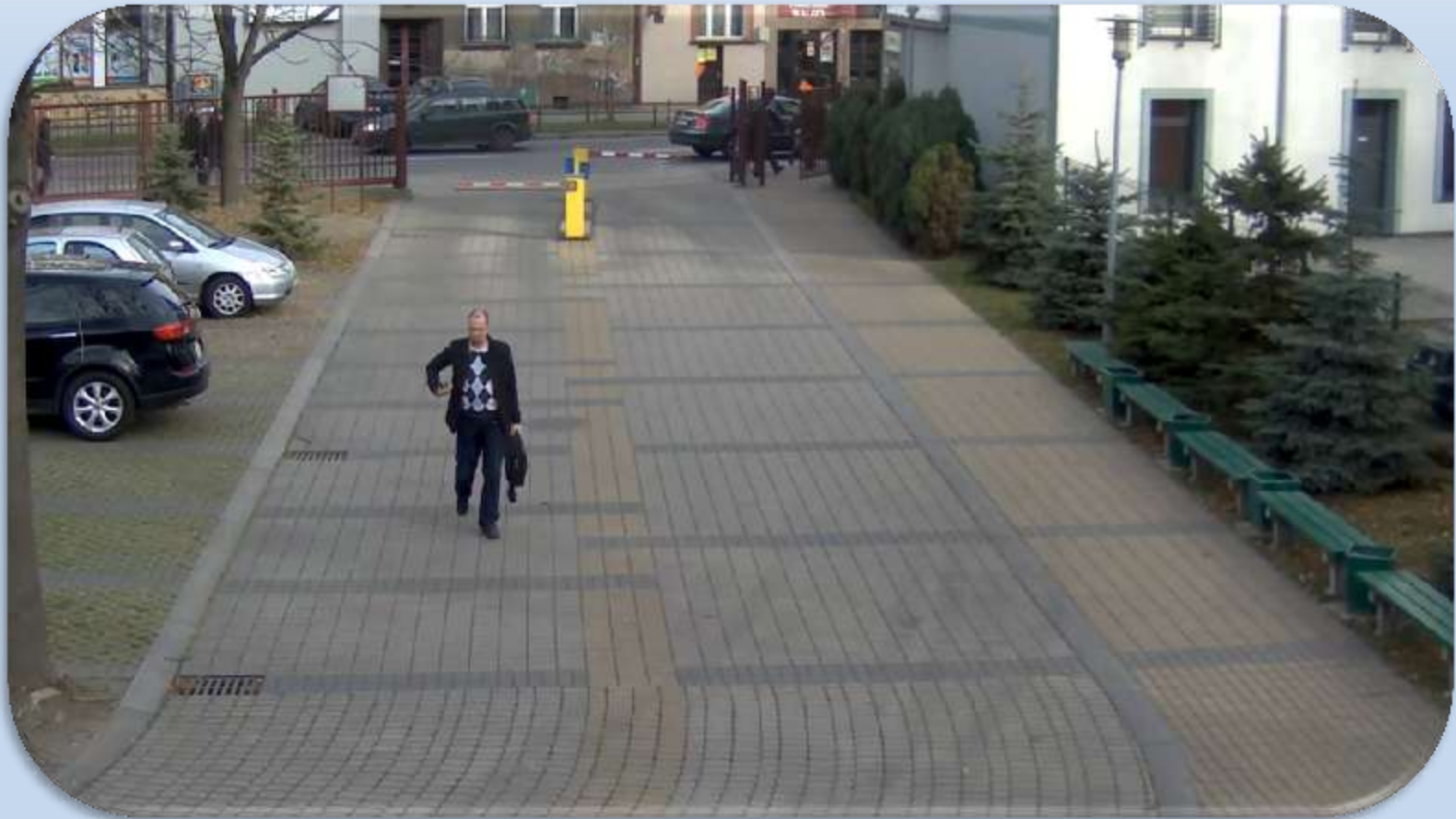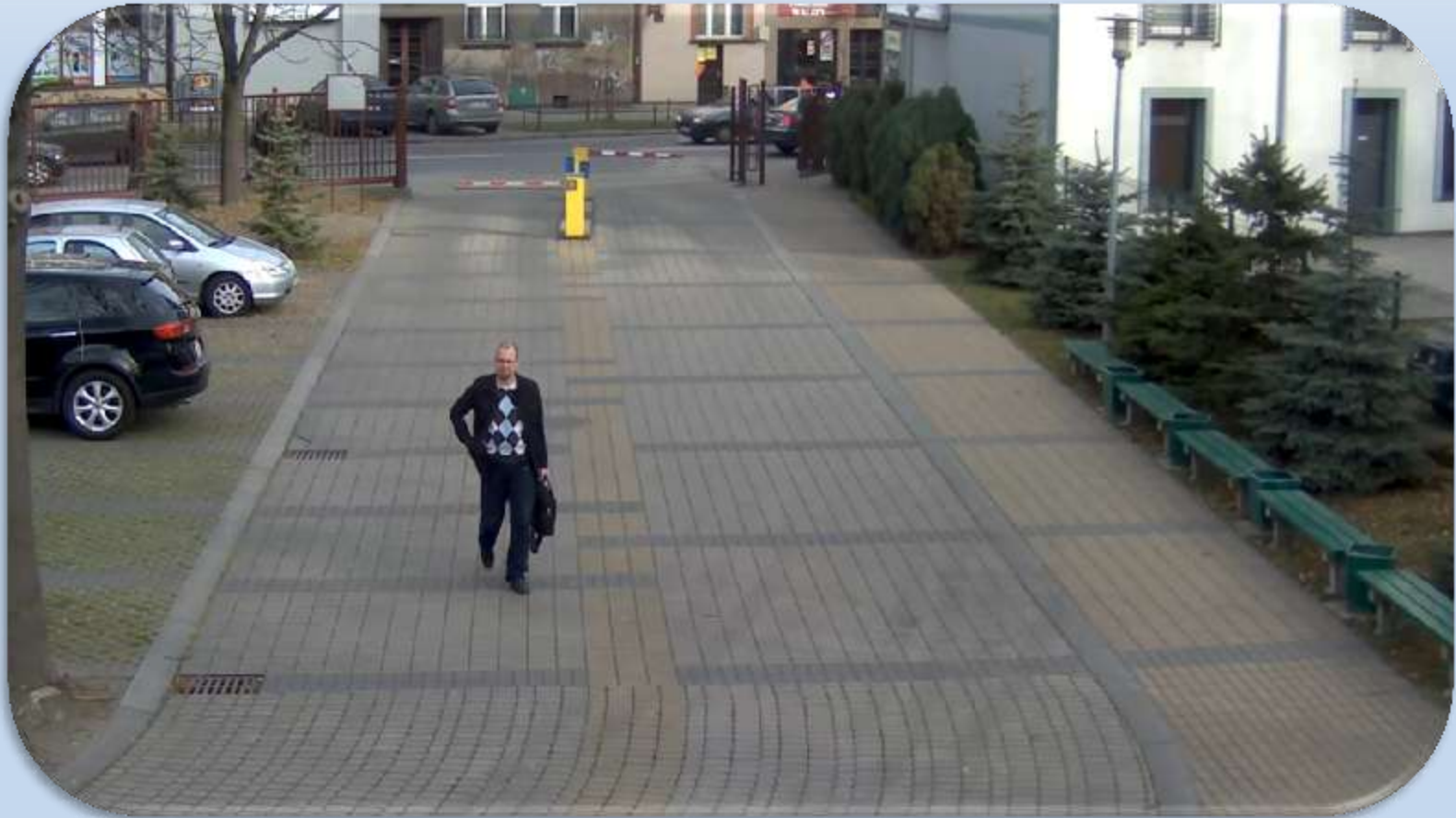# We Have: CCTV Video Showing Shots of Faces

FACE (PERSON) RECOGNITION TESTS

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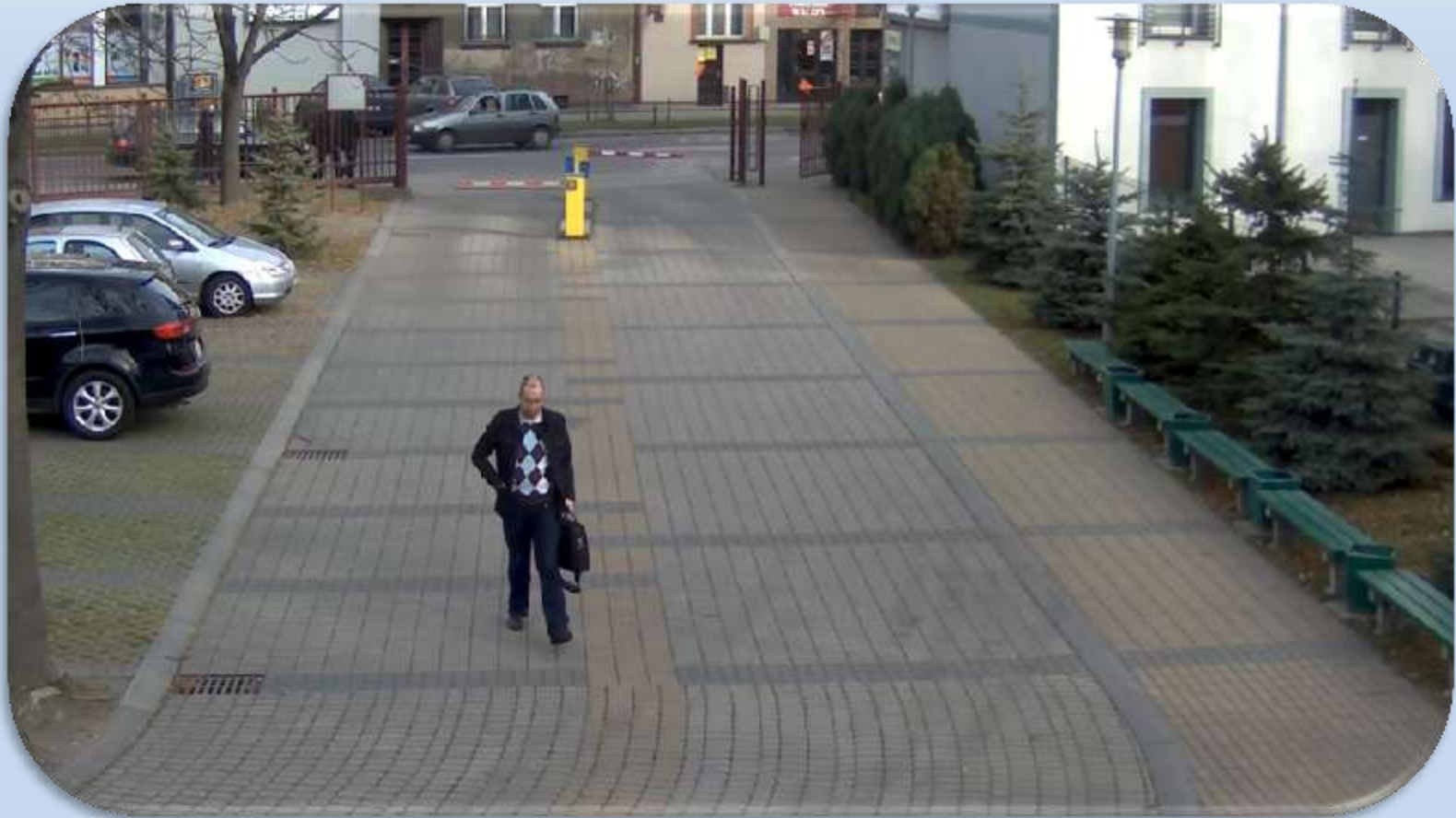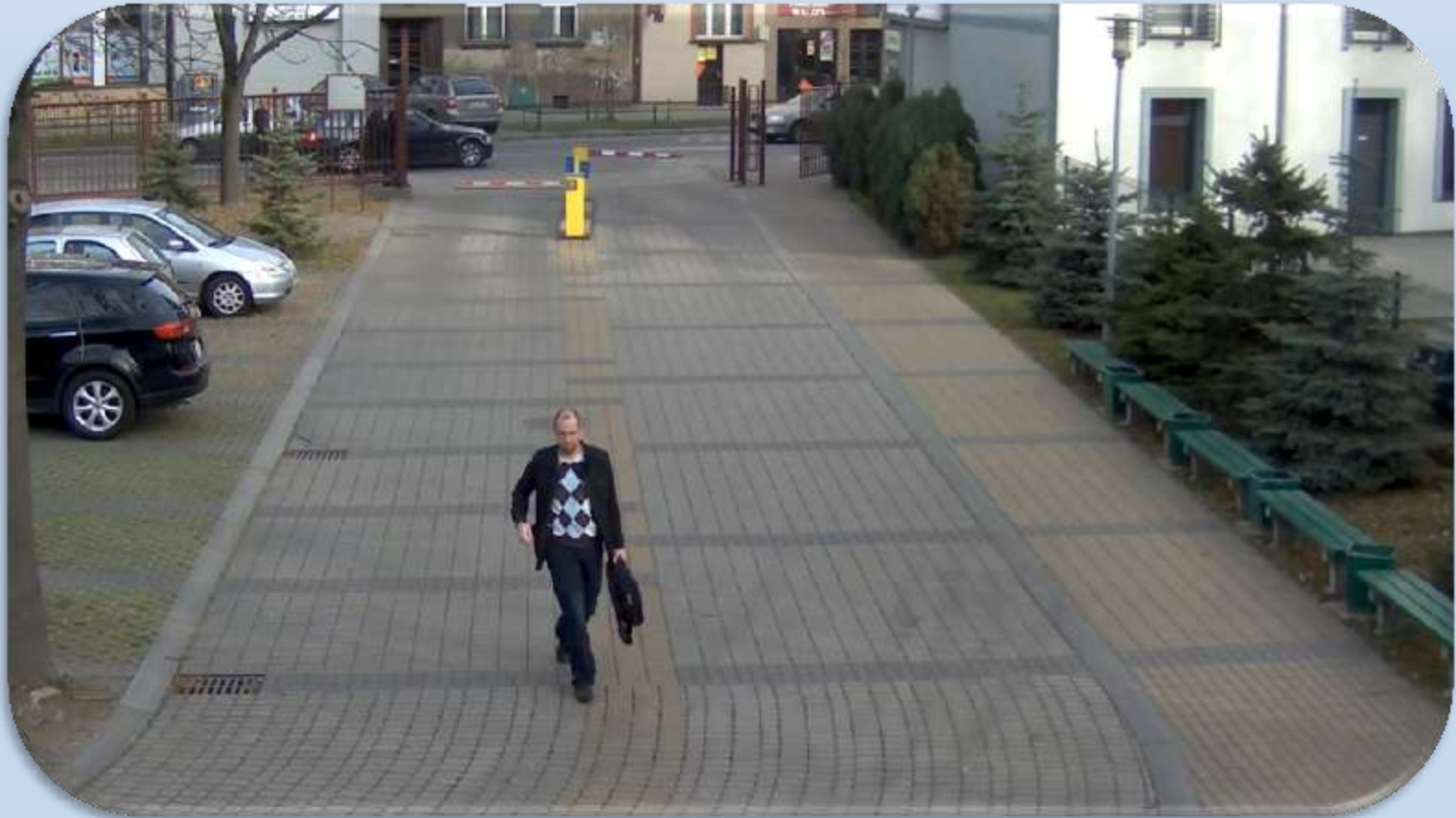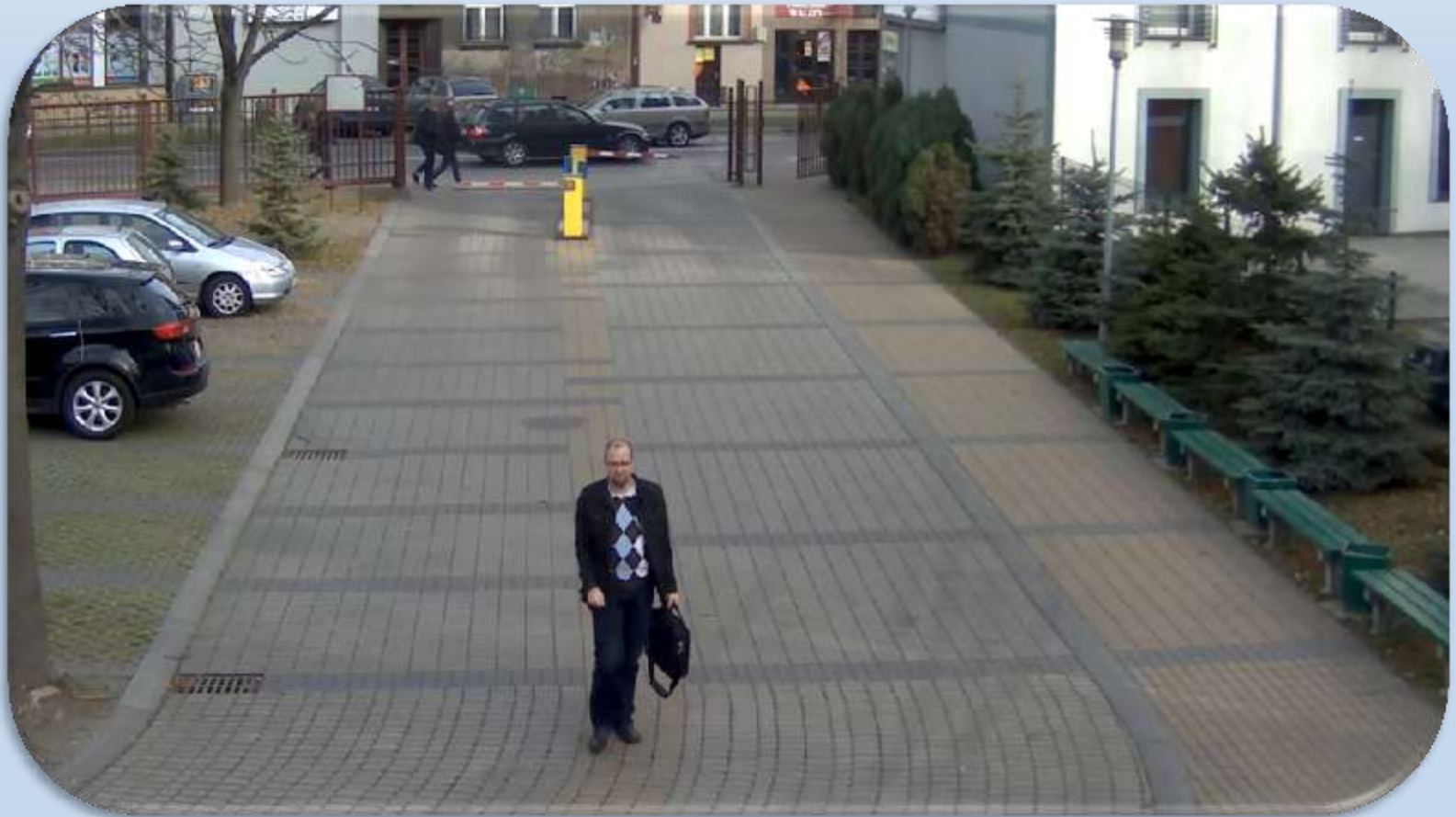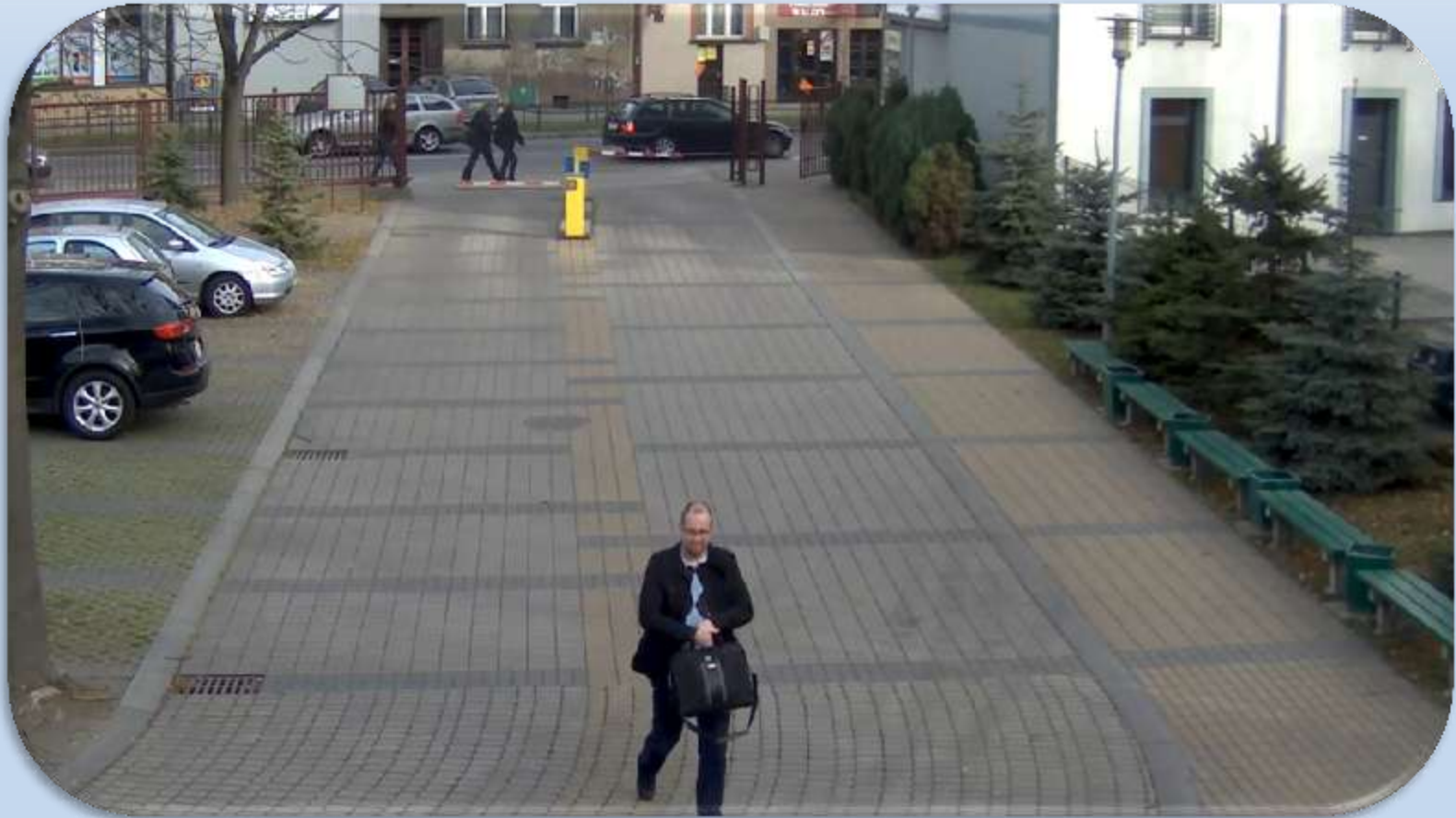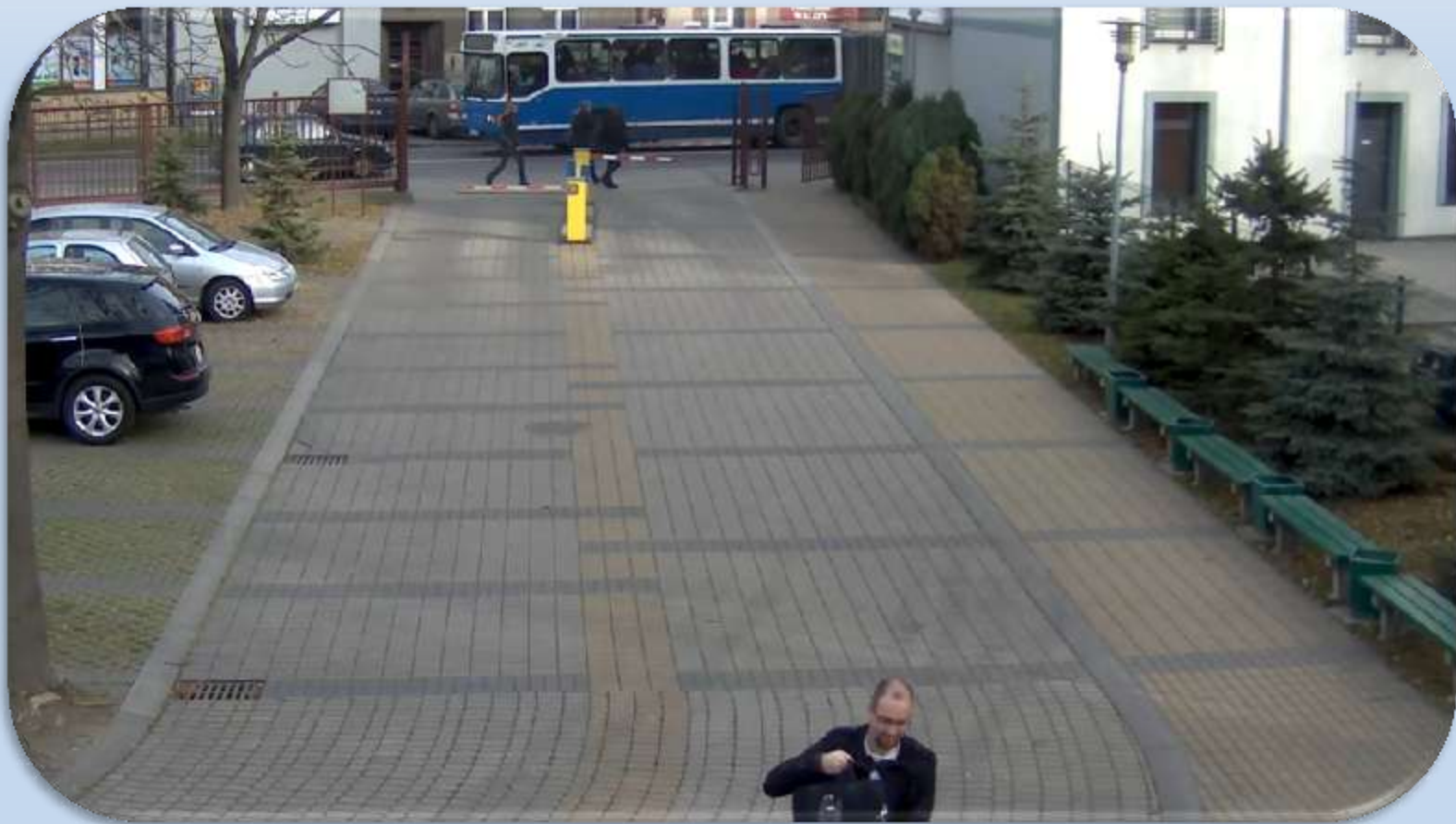# Face (Person) Recognition Tests

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Face (Person) Recognition Tests

11/18/2010

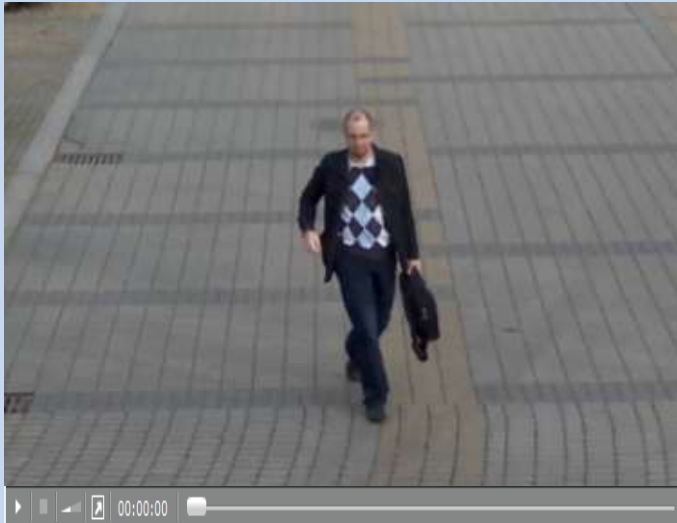# Face (Person) Recognition Tests

11/18/2010

Face (Person) Recognition Tests

Test methodology (I):

Compare with pattern

Refence images taken in controlled conditions. Video and reference images presented in the same time
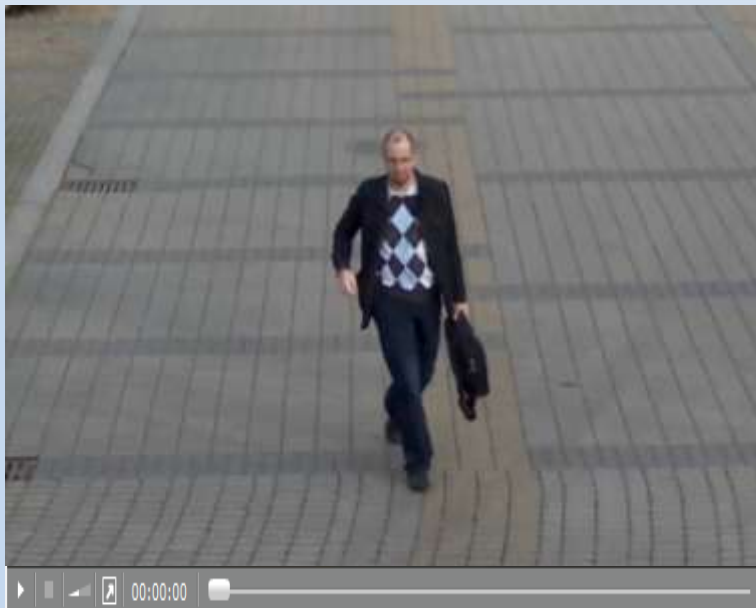
Which person is presented on this video?

Photo: FRVT 2006 and ICE 2006 Large-Scale Results

Photo: The FERET evaluation methodology for Face-recognition Algoritms

One image/face in data base
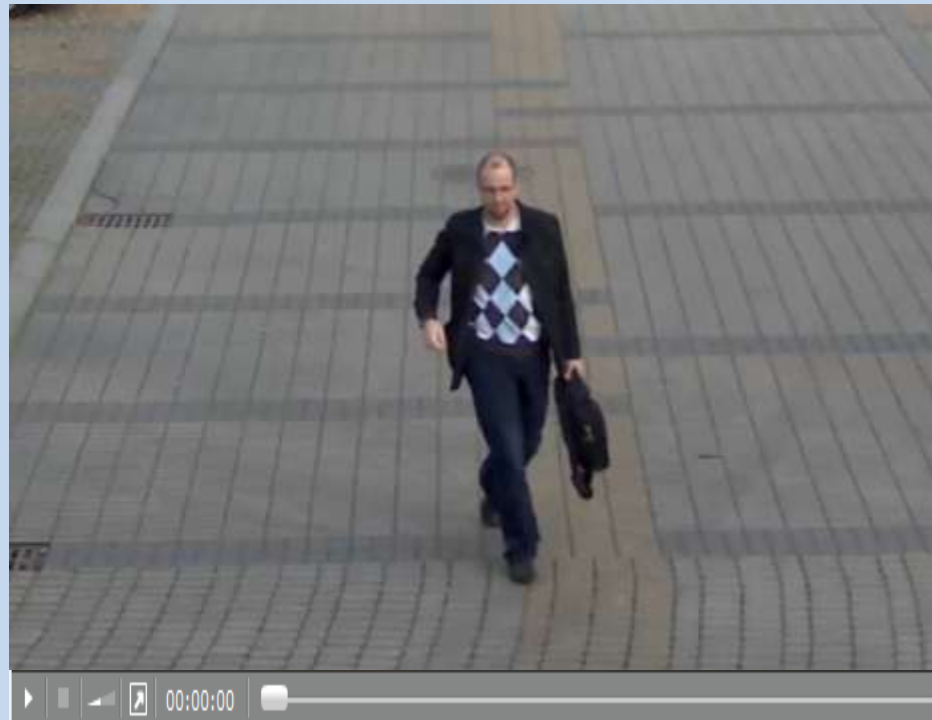
LARGER SET OF REFERENCE IMAGES?

Group of pictures taken in the same way for persons but in different condition each image

Photos: The FERET evaluation methodology for Face-recognition Algoritms, Detecting Faces in Images: A Survey, Three-Dimensional Face Recognition

Test methodology (II):
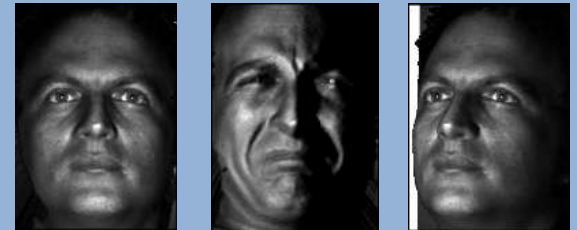
Memorize face presented on video

Test methodology (II):

Choose from reference images

Which person was
presented on this video?

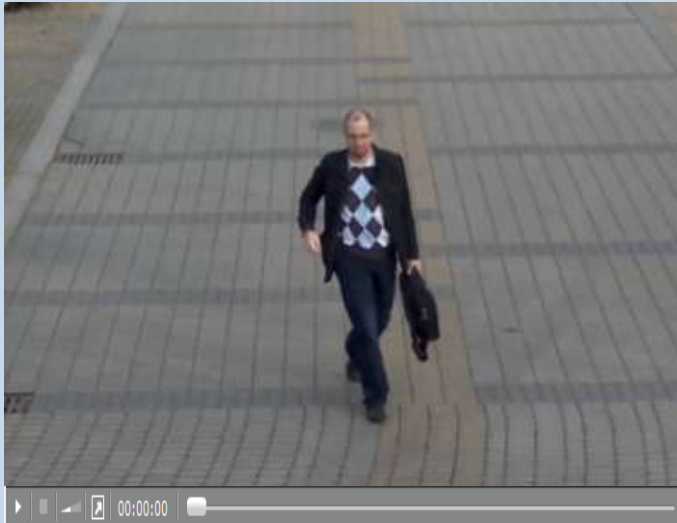3 images/per face in data base

Indect

Test methodology (III):

Identify face features
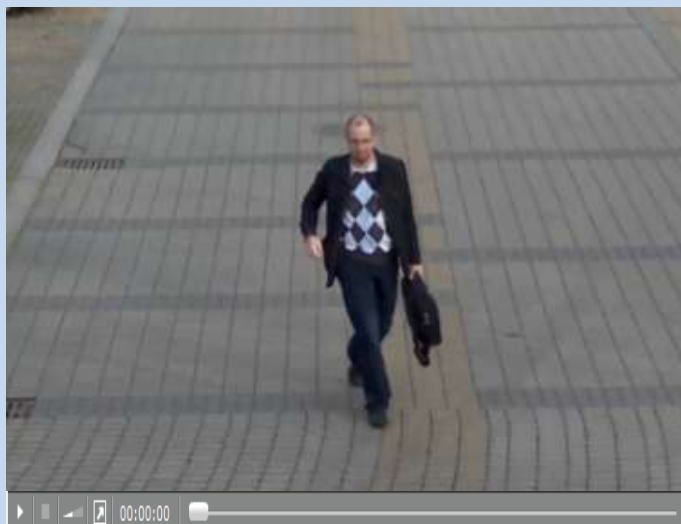

Beard?

Glasses?

Blue eyes?

Describe characteristics of
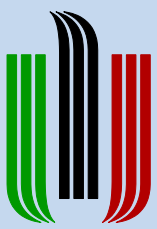
presented person

Oval head shape?

Test methodology:

?

?

?

THANK YOU!
ACKNOWLEDGMENT...

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